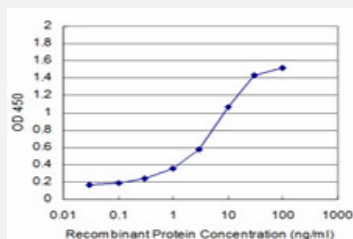


# SPP1 monoclonal antibody (M13), clone 4B8

Catalog # H00006696-M13

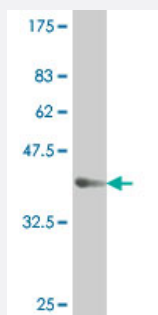
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPP1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.62 KDa) .

## Specification

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against a full length recombinant SPP1.                                               |
| Immunogen           | SPP1 (NP_000573.1, 21 a.a. ~ 129 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | QADSGSSEEKQLYNKYPAVATWLNPDPSQKQNLAPQTLPSKSNESHDMDDMDEDDDDH<br>VDSQDSIDSNDSDVDVDDTDDSHQSDSHHSDSEDELVTDFPTDLPAT          |
| Host                | Mouse                                                                                                                  |
| Reactivity          | Human                                                                                                                  |
| Isotype             | IgG2a Kappa                                                                                                            |

**Quality Control Testing**

Antibody Reactive Against Recombinant Protein.  
Western Blot detection against Immunogen (37.62 KDa) .

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPP1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — SPP1

**Entrez GeneID**

[6696](#)

**GeneBank Accession#**

[NM\\_000582](#)

**Protein Accession#**

[NP\\_000573.1](#)

**Gene Name**

SPP1

**Gene Alias**

BNSP, BSPI, ETA-1, MGC110940, OPN

**Gene Description**

secreted phosphoprotein 1

**Omim ID**

[166490](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

bone sialoprotein I

**Other Designations**

SPP1/CALPHA1 fusion|bone sialoprotein I|early T-lymphocyte activation 1|osteopontin|osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein|secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)

## Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Calculi](#)
- [Kidney Failure](#)
- [Lewy Body Disease](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Nephrolithiasis](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pseudoxanthoma Elasticum](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Urinary Calculi](#)
- [Urolithiasis](#)